

## EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 10095568  
 PUBLICATION DATE : 14-04-98

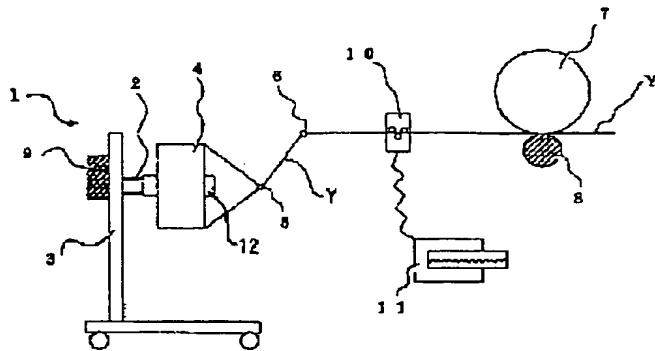
APPLICATION DATE : 26-09-96  
 APPLICATION NUMBER : 08254427

APPLICANT : TEIJIN LTD;

INVENTOR : SHINDO NAOHIKO;

INT.CL. : B65H 49/04 B65H 59/04

TITLE : THREAD UNTYING METHOD



**ABSTRACT :** PROBLEM TO BE SOLVED: To longitudinally untie a thread from a coiled thread body of elastic thread like rubber in which the thread can not be smoothly released by a conventional method, by untying the thread while applying micro vibrations to the coiled thread body.

SOLUTION: When a thread Y is untied from a coiled thread body 4 formed by coiling the thread, micro vibrations are applied to a frame 3 by a vibrator fixed to the frame 3 and the coiled thread body 4 is vibrated by the micro vibrations transmitted via a creel peg 2 and the thread Y untied from the coiled thread body 4 is also vibrated on the coiled thread body 4. Therefore, when the thread Y in the back side of the coiled thread body 4 is untied, contact friction between it and the thread coiled in the front side is reduced to easily untie the thread Y without large variations in tension.

COPYRIGHT: (C)1998,JPO